

47

FORM

Practitioner's Docket No. 32390-178943

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:
Eliezer J. DE BARREIRO et al.

Application No.: 10/070,328

Group No.: Unassigned

Filed: March 6, 2002

Examiner: Unassigned

For: THIENYLHYDRAZON WITH DIGITALIS-LIKE PROPERTIES (POSITIVE
INOTROPIC EFFECTS)

**Assistant Commissioner for Patents
Washington, D.C. 20231**

**PETITION AND FEE TO DELETE AND/OR
ADD TO ORIGINAL ERRONEOUSLY NAMED OR NOT NAMED
INVENTOR(S) IN DECLARATION-NONPROVISIONAL APPLICATION--
(37 C.F.R. § 1.48(a))**

1. This is to correct the incorrect original naming of inventor(s) in the declaration under 37 C.F.R. § 1.497 as set forth and filed on November 12, 2002.

2. Addition and/or Deletion of Inventor(s)

☒ Add the following previously unnamed person(s) as inventor(s) of this application:

Yasco ARACAVA, Wagner Monteiro CINTRA, Paulo De Assis MELO, Francois Germain NOEL, Gisele Zapata SUDO, Claudia Lucia Martins Da SILVA, Newton Goncalves De CASTRO, Patricia Dias FERNANDES, Carlos Alberto Mansour FRAGA and Ana Luisa Palhares De MIRANDA

☐ Delete the following previously incorrectly named inventor(s)

01/11/2003 MAILFAX 00000000 10070328

03 FEB2450

130.00 DP

3. Attachments

Attached is

(a) A statement from:

☒ each person being added as an inventor that the error in inventorship occurred without deceptive intention on his or her part. 37 C.F.R. § 1.497.

BEST AVAILABLE COPY

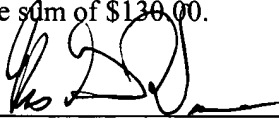
- ☐ each person being deleted as an inventor that the error in inventorship occurred without deceptive intention on his or her part. 37 C.F.R. § 1.497.

(b) written assent of the assignee (*if any of the original inventors executed an assignment*)
37 C.F.R. § 1.497.

4. Fee Payment (37 C.F.R. § 1.17(1))

The fee required is paid as follows:

- ☒ Enclosed is a check for \$130.00.
☐ Charge Account _____ for any fee deficiency.
☐ Charge Account _____ the sum of \$130.00.



SIGNATURE OF PRACTITIONER

Reg. No.: 35,046

Thomas G. Wiseman
(type or print name of practitioner)

Tel. No.: (202) 962-4617

VENABLE
P.O. Box 34385
Washington D.C. 20043-9998

Customer No.:



26694

PATENT TRADEMARK OFFICE

RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE

U.S. Patent and Trademark Office

PATENTS ONLY

Tab settings ⇨ ⇨ ⇨ ▼ ▼ ▼

Atty Docket: 32390-178943

To the Honorable Commissioner of Patents and Trademarks: Please Record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Yasco ARACAVA
Wagner Monteiro CINTRA
Paulo de Assis MELO
Francois Germain NOËL

Additional name of conveying party(ies) attached? ☒ Yes ☐ No

2. Name and address of receiving party(ies)

Name: Universidade Federal Do Rio De Janeiro

Internal Address: _____

Street Address: Predio da Reitoria - 2°. andarCidade Universitária - Ilha do FundãoCity: Rio De Janeiro State/Country: RJ BRAZILZip: 21941-590Additional Name(s) & address(es) attached? ☐ Yes ☒ No

3. Nature of conveyance:

- ☐ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: _____

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application by the first named inventor is:

A. Patent Application No.(s)

10/070,328

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning this document should be mailed:



26694

PATENT TRADEMARK OFFICE

Name: VENABLEAddress: P.O. Box 34385

003 MKAYPAGH 00000098 10070328

022 40 00 00

City: Washington State: D.C. Zip: 20043-99986. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41) \$ 40.00☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit account number:

22-0261

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Thomas G. Wiseman, Reg. No. 35,046

Name of Person Signing

Signature

Date

Total number of pages including cover sheet, attachments, and documents: 8

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

VENABLE
ATTORNEYS AT LAW

PC Docs No. 448154

1. (Cont.) Name of conveying party(ies):

Gisele Zapata SUDO
Cláudia Lúcia Martins Da SILVA
Newton Goncalves de CASTRO
Patricia Dias FERNANDES
Carlos Alberto Manssour FRAGA
Ana Luiza Palhares de MIRANDA

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to Yasco Aracava, Wagner Monteiro Cintra, Paulo de Assis Melo, François Germain Noël, Gisele Zapata Sudo, Cláudia Lúcia Martins Da Silva, Newton Gonçalves de Castro, Patricia Dias Fernandes, Carlos Alberto Manssour Fraga and Ana Luiza Palhares de Miranda, the undersigned hereby sell and assign to the Universidade Federal do Rio de Janeiro, Predio da Reitoria – 2º andar, Cidade Universitária – Ilha do Fundão, 21941-590, Rio de Janeiro – RJ, Brazil (Assignee), their entire rights, titles and interests.

[X] for the United States of América (as defined in 35 U.S.C. §100)
[X] and throughout the world

in the invention known as "A Novel Compound Having Digitalis-Like Cardiotonic Properties and Beneficial Effects in Combating Muscle Fatigue", for wich application for patent was made in the United States of America on June 21, 1999 (also known as U.S. Application No. 08/666,666).

in the United States of America on June 21, 2000 (also known as U.S. provisional patent application serial number 60/140,352) and in the invention known as "Thienylhydrazon with Digitalis-Like Properties (Positive Inotropic Effects)", for which applications for patent were made in the United States of America on June 21, 2000 (also known as international patent application serial number PCT/US00/17024) and on March 6, 2002 (also known as US non-provisional patent application serial number 10/ 070,328), and in the invention known as "Thienylhydrazon with Digitalis-Like Properties (Positive Inotropic Effects)", for which application for patent was made in the Europe Patent Office on April 16, 2002 (also known as European patent application 00 941 596.9) and in the invention known as "Thienylhydrazon with Digitalis-Like Properties (Positive Inotropic Effects)", for which application for patent was made in Canada on March 20, 2002 (also known as Canadian patent application _____) and in any and all non-provisional and/or international patent applications and/or foreign patent applications thereon, in any and all Letters Patent therefor, and in any and all reissues, extensions, renewals, reexaminations of such applications or Letters Patent and divisional and the continuing patent applications thereof to the full end of the term for which such Letters Patent issue, such entire right, title and interest to be held and enjoyed by the above named Assignee to the same extent as they would have been held and enjoyed by the undersigned had this Assignment and sale not been made.

The undersigned agree to execute all papers necessary in connection with the patent applications, non-provisional and/or international and/or foreign patent applications, and any continuing, divisional, reissue, reexamination or corresponding patent applications thereof and also to execute separate Assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree to execute all papers necessary in connection with any interference that may be declared concerning the patent applications or any non-provisional, continuing, divisional, reissue or reexamination patent applications thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The undersigned hereby represent that undersigned have full right to convey undersigned's entire interest herein assigned, and that undersigned has/have not executed and will not execute any agreement in conflict therewith.

The undersigned hereby grants David L. Marks, Registration Number 37,881, University of Maryland, Baltimore, TEC COM, 515 West Lombard Street, Baltimore, Maryland 21201 power to insert in this Assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned on the date opposite their names:

Signature: [Signature] Date: 03/13/03
Name: Yasco Aracava Residence: Av. Pasteur, 214/Apt. 903 City: Botafogo - Rio de Janeiro, RJ Country: Brazil Zip: 22290-240

Subscribe and sworn to before me this _____ day of _____, 2003.

_____, Notary Public.
(Legalization-notarization not required for recording but is *prima facie* evidence under 35 U.S.C. § 261).

.....
Signature: [Signature] Date: January 22 2003
Name: Warner M. [unclear] Residence: Av. [unclear] 214/Apt. 205 City: [unclear] Country: [unclear]

_____, Notary Public.

(Legalization-notorization not required for recording but is *prima facie* evidence under 35 U.S.C. § 261).


Signature: _____

Date: January 22, 2003Name: Paulo de Assis Melo Residence: Rua Cinco de Julho, 375/Apt. 1002City: Icarai -- Niterói, RJ Country: Brazil Zip: 24220-110

Subscribe and sworn to before me this _____ day of _____, 2003.

_____, Notary Public.

(Legalization-notorization not required for recording but is *prima facie* evidence under 35 U.S.C. § 261).

Signature:  Date: 01-23-2003
Name: François Germain Noël Residence: Rua Mathias Antonio dos Santos, 354/Apt. 103 City: Jardim Guanabara - Ilha do Governador - Rio de Janeiro, RJ
Country: Brazil Zip: 21940-380

Subscribe and sworn to before me this _____ day of _____, 2003.

_____, Notary Public.

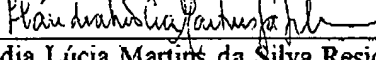
(Legalization-notorization not required for recording but is *prima facie* evidence under 35 U.S.C. § 261).

Signature:  Date: 1-22-2003
Name: Gisele Zapata Sudo Residence: Rua Marechal Mascarenhas de Moraes, 125/Apt. 702 City: Copacabana - Rio de Janeiro, RJ Country: Brazil Zip: 220030-040

Subscribe and sworn to before me this _____ day of _____, 2003.

_____, Notary Public.

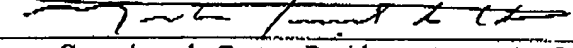
(Legalization-notorization not required for recording but is *prima facie* evidence under 35 U.S.C. § 261).

Signature:  Date: January 23rd, 2003
Name: Cláudia Lúcia Martins da Silva Residence: Rua Maranhão, 314/Apt. 201 City: Méier - Rio de Janeiro, RJ Country: Brazil Zip: 20720-230

Subscribe and sworn to before me this _____ day of _____, 2003.

_____, Notary Public.

(Legalization-notorization not required for recording but is *prima facie* evidence under 35 U.S.C. § 261).

Signature:  Date: JANUARY 22nd 2003
Name: Newton Gonçalves de Castro Residence: Largo dos Leões, 100/Apt. 501 City: Humaitá - Rio de Janeiro, RJ Country: Brazil Zip: 22260-210

Subscribe and sworn to before me this _____ day of _____, 2003.

_____, Notary Public.

(Legalization-notorization not required for recording but is *prima facie* evidence under 35 U.S.C. § 261).

Signature: Patricia Dias Fernandes Date: 02/05/03
Name: Patricia Dias Fernandes Residence: Rua Morales de los Rios, 15/Apt. 401 City: Tijuca -
Rio de Janeiro, RJ Country: Brazil Zip: 20540-010

Subscribe and sworn to before me this _____ day of _____, 2003.

_____, Notary Public.

(Legalization-notorization not required for recording but is *prima facie* evidence under 35 U.S.C. § 261).

Signature: Carlos Alberto Manssour Fraga Date: 01/22/03
Name: Carlos Alberto Manssour Fraga Residence: Rua Afonso de Albuquerque, 101/fundos
City: Inhaúma - Rio de Janeiro, RJ Country: Brazil Zip: 20761-050

Subscribe and sworn to before me this _____ day of _____, 2002.

_____, Notary Public.

(Legalization-notorization not required for recording but is *prima facie* evidence under 35 U.S.C. § 261).

Signature: Ana Luisa Palhares De Miranda Date: 01/22/03
Name: Ana Luisa Palhares De Miranda Residence: Rua Conde d'Eu, 157 City: Castelanea - Rio
de Janeiro, RJ Country: Brazil Zip: 25640-340

Subscribe and sworn to before me this _____ day of _____, 2003.

_____, Notary Public.

(Legalization-notorization not required for recording but is *prima facie* evidence under 35 U.S.C. § 261).

ASSIGNEE CONSENT FORM

Practitioner's Docket No. 32390-178943

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:
Eliezer J. DE BARREIRO et al.

Application No.: 10/070,328

Group No.: Unassigned

Filed: March 6, 2002

Examiner: Unassigned

For: THIENYLHYDRAZON WITH DIGITALIS-LIKE PROPERTIES (POSITIVE
INOTROPIC EFFECTS)

Intern'l Application No.: PCT/US00/17024

Filed: June 21, 2000

**Assistant Commissioner for Patents
Washington, D.C. 20231**

**ASSENT OF ASSIGNEE TO CORRECTION
AND/OR ADDITION OF INVENTORS)**

UNIVERSITY OF MARYLAND, BALTIMORE

(type or print name of assignee)

520 West Lombard Street

Address

Baltimore, MD 21201-1627

Assignment

recorded on _____

Reel _____

Frame _____

recorded herewith

☐ A separate ☐ "ASSIGNMENT" (DOCUMENT) COVER SHEET is attached.

or

FORM PTO 1595 is attached.

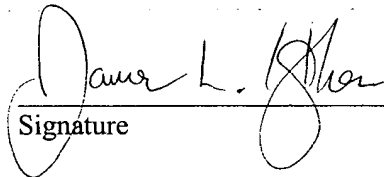
Assignee hereby assents to the correction of inventorship filed

herewith.

on _____

ASSIGNEE STATEMENT

A "STATEMENT UNDER 37 C.F.R. § 3.73(b)" is attached.



Signature
James L. Hughes
Vice President, Research and Development
(type or print name and title of person authorized to
sign on behalf of assignee)

ASSIGNEE CONSENT FORM

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Intern'l Application No.: PCT/US00/17024

Filed: June 21, 2000

Assistant Commissioner for Patents
Washington, D.C. 20231**ASSENT OF ASSIGNEE TO CORRECTION
AND/OR ADDITION OF INVENTORS)**Universidade Federal Do Rio De Janeiro*(type or print name of assignee)*Av. Brigaderio Trompowski Prédio Da Retoria Sala 810-BIlha Do Fundão-Rio De Janeiro- RJ BRAZIL

Address

Assignment☐ recorded on _____
Reel _____
Frame _____☐ recorded herewith☒ A separate ☒ "ASSIGNMENT" (DOCUMENT) COVER SHEET is attached.
or☐ FORM PTO 1595 is attached.

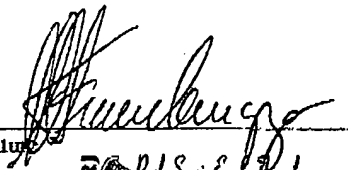
Assignee hereby assents to the correction of inventorship filed

☐ herewith.☐ on _____

ASSIGNEE STATEMENT

A "STATEMENT UNDER 37 C.F.R. § 3.73(b)" is attached.

Signature



Prof. Sergio E. L. Figueiredo
Reitor em Exercício

(type or print name and title of person authorized to
sign on behalf of assignee)



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office

ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

DECEMBER 21, 1999

PTAS

VENABLE ATTORNEYS
JOHN W. SCHNELLER
P.O. BOX 34385
WASHINGTON, D.C. 20043-9998



101160564A

JWS CMM
32390-146531
UMARY 4890.01

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 09/30/1999

REEL/FRAME: 010276/0921
NUMBER OF PAGES: 3

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

ALBUQUERQUE, EDSON X.

DOC DATE: 06/01/1999

ASSIGNOR:

DE L. BARREIRO, ELIEZER J.

DOC DATE: 09/01/1999

ASSIGNOR:

SUDO, ROBERTO T.

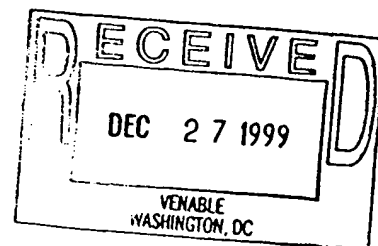
DOC DATE: 09/01/1999

ASSIGNEE:

UNIVERSITY OF MARYLAND, BALTIMORE,
THE
520 WEST LOMBARD STREET
BALTIMORE, MARYLAND 21201

SERIAL NUMBER: 60140352
PATENT NUMBER:

FILING DATE: 06/21/1999
ISSUE DATE:



010276/0921 PAGE 2

MARY BENTON, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

FORM 497 (d)(1)

Practitioner's Docket No. 32390-178943

PATENT**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Appl. No: 10/070,328

Filing Date: March 6, 2002

Int'l Application No.: PCT/US00/17024

Filing Date: June 21, 2000

Name of First Named Inventor: Eliezer J. DE BARREIRO et al.

Title of Invention: THIENYLHYDRAZON WITH DIGITALIS-LIKE PROPERTIES
(POSITIVE INOTROPIC EFFECTS)Assistant Commissioner for Patents
Washington, D.C. 20231

ATTENTION: Patent Cooperation Treaty Office

**STATEMENT OF NON-DECEPTIVE INTENT BY PERSON BEING ADDED BY
PETITION TO CHANGE INVENTORSHIP IN PATENT
(37 C.F.R. § 1.497(d)(1))**

I, the person who is being added as an inventor by the petition being submitted to correct the inventorship of this patent do hereby declare that the inventorship error in failing to include my name as an inventor on this patent occurred without any deceptive intention on my part.

Yasco ARACAVA

Type name of inventor being added


Signature

FORM 497 (d)(1)

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Wagner Monteiro CINTRA

Type name of inventor being added


Signature

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Paulo De Assis MELO

Type name of inventor being added



Signature

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Francois Germain NOEL

Type name of inventor being added


Signature

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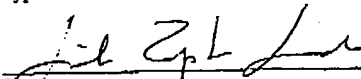
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Gisele Zapata SUDO

Type name of inventor being added


Signature

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Washington, D.C. 20231

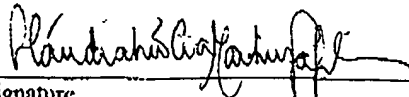
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(37 C.F.R. § 1.497(d)(1))**

I, the person who is being added as an inventor by the petition being submitted to correct the inventorship of this patent do hereby declare that the inventorship error in failing to include my name as an inventor on this patent occurred without any deceptive intention on my part.

Claudia Lucia Martins DA SILVA

Type name of inventor being added


Signature

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Newton Goncalves De CASTRO

Type name of inventor being added



Signature

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Filing Date: March 6, 2002

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Filing Date: June 21, 2000

Name of First Named Inventor: Eliezer J. DE BARREIRO et al.

Title of Invention: THIENYLHYDRAZON WITH DIGITALIS-LIKE PROPERTIES
(POSITIVE INOTROPIC EFFECTS)Assistant Commissioner for Patents
Washington, D.C. 20231

ATTENTION: Patent Cooperation Treaty Office

**STATEMENT OF NON-DECEPTIVE INTENT BY PERSON BEING ADDED BY
PETITION TO CHANGE INVENTORSHIP IN PATENT
(37 C.F.R. § 1.497(d)(1))**

I, the person who is being added as an inventor by the petition being submitted to correct the inventorship of this patent do hereby declare that the inventorship error in failing to include my name as an inventor on this patent occurred without any deceptive intention on my part.

Patricia Dias FERNANDES

Type name of inventor being added

Patricia Dias Fernandes
Signature

FORM 497 (d)(1)

Practitioner's Docket No. 32390-178943

PATENT**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Appl. No: 10/070,328

Filing Date: March 6, 2002

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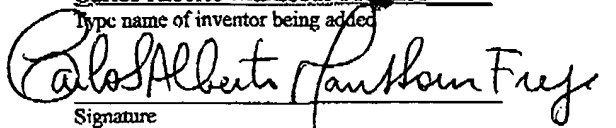
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Carlos Alberto Manssour FRAGA

Type name of inventor being added



Signature

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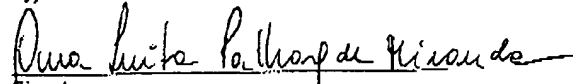
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Ana Luisa Palhares De MIRANDA

Type name of inventor being added


Signature

OWNERSHIP AND ASSIGNMENT

PTO/S&P/08 (08-00)

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STATEMENT UNDER 37 CFR 3.73(b)Applicant/Patent Owner: Eliezer J. DE BARREIROApplication No./Patent No.: 10/070.328Filed/Issued Date: March 6, 2002Entitled: THIENYLHYDRAZON WITH DIGITALIS-LIKE PROPERTIES (POSITIVE INOTROPIC EFFECTS)UNIVERSITY OF MARYLAND, BALTIMORE, a University

(Name of Assignee)

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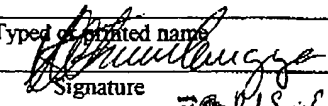
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Date

Typed or printed name

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 Prof. Sergio E. L. Traculano
 Reitor em Exercício

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